

Work Order ID 149526

Monday, July 25, 2016 2:26:51 PM

149526

Page 1

Item ID: 649.4701

Accept

N900040100Setup Start ***NS1***

Revision ID:

Stop ***NS2***

Item Name: AW119 Cable Cutter System

Start Date: 8/4/2016 Start Qty: 1.00

1

Cust Item ID:

Required Date: 8/11/2016 Req'd Qty: 1.00

1

Customer:

Reference:

DAS

Approvals:

Process Plan:

21

Date:

AUG 02 2016

Tooling:

Date:

Run

Start

NR1

QC:

Date:

SPC (Y/N):

Date:

Stop

NR2Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run Hours

Tool ID

Tool #

Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

Draw Nbr

Revision Nbr

649.4700

B3

PC**AUG 03 2016**

100

Document Control

0.00

100

DOCUMENT CONTROL

DC

Memo

0.00

Doc.Control -USB or Paperwork

Photocopy bluefile & type labels per PPP 649.4701

DAS**27****9-89****AUG 04 2016**

110

Pick Kit

0.00

110

Packaging

Memo

0.00

Packaging

DAS**28****9-89****AUG 03 2016**

120

QC4- 100% Inspect kits for completeness

0.00

120

QC

Memo

0.00

Quality Control

DAS**27****9-89****AUG 04 2016**

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval 		
Description Work Order Deviation				Disposition					
							Completed By 		
							Lead hand / Supervisor Approval Verification 		
							QC / QA Coordinator Approval 		

Root Cause				FAULT CATEGORY			
☐ Environment	☐ No Re-verification	☐ Pressure/Forced	☐ Temperature/Cure	☐ Power Loss/Surge	☐ Positioned Wrong		
☐ Design	☐ Operator	☐ Bending	☐ Set-up	☐ Folio/Program	☐ Outside Dimensions		
☐ Doc/Data	☐ Offset/Setup	☐ Centre Not Concentric	☐ BOM/Route	☐ Grain	☐ Over/Under tolerance		
☐ Equip/Tooling	☐ Supplier	☐ Cracks	☐ Broken/Damage/Defect	☐ Weld	☐ Part Incorrect		
☐ Handling/Pre	☐ Training	☐ Crimp/Kink/Ripple/Wave	☐ Inspection Incomplete/Unqualified	☐ Wrong Stock Pulled	☐ Part Lost/Missing		
☐ Material	☐ Use for Testing	☐ Cuffs	☐ Contamination	☐ Out of Sequence	☐ Part Moved		
☐ Internal Transport	☐ Poor Information	☐ Crushing	☐ Countersink	☐ Off-set	☐ Drawing		
☐ Tribal Knowledge	☐ Rushing	☐ Heat Treat	☐ Cut Too Short	☐ Mislabeled	☐ Finish		
☐ LOA	☐ Product Improvement	☐ Wave/Twist in Tube	☐ Instructions Incomplete/Unclear	☐ Fit/Function	☐ Misread		
☐ Substation	☐ Process Improvement	☐ Marks/Chatter	☐ Drill Holes	☐ Misaligned/off center	☐ Turning Sequence		
☐ Past Expiry Date	☐ Manufacturing Process	OTHER : _____					
☐ Misidentified	☐ Past Due						

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Page 2

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1

Cust Item ID:

Required Date: 8/11/2016 Req'd Qty: 1.00

1

Customer:

Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____

Run Start ***NR1***

QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
130	Packaging	0.00							
130									
Packaging	Memo	0.00				DAS 27 9-89	DAS 28 9-89		
Packaging	Identify and pack for shipping as per PPP 649.4701 Location: _____								
140	QC21- Final Inspection - Work Order Release	0.00							
140									
QC	Memo	0.02				DAS 21 9-89			
Quality Control									

AUG 04 2016

AUG 04 2016

SA 8/4/16

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐																																																											
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Root Cause		FAULT CATEGORY																																																													
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐	Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐	Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐	Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐	Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐	Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐	Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐	Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐	LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐	Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐	Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____	
Misidentified ☐	Past Due ☐																																																														

Picklist Print

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Page 1

Work Order ID: 149526

149526

Parent Item: 649.4701

649 4701

Parent Item Name: AW119 Cable Cutter System

Start Date: 8/4/2016

Required Date: 8/11/2016

Start Qty: 1.00

Required Qty: 1.00

Comments: IPP REV:A 12.11.05 NEW ISSUE DD VERF:JLM IPP
REV:B AS PER ECR 12-54 13-07-09 JLM VERIFIED BY:DD

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
649.4902 *649 4902* Lower Cutter Assy		Manufactured	No				Each	19.0000	**	1		PC	DAS 28 9-89
DAS 27 9-89 <u>Location</u> cck026 106196 <u>108553</u> 124742 <u>Loc Qty</u> 19 1 9 9 <u>Loc Code</u> 													
649.4901 *649 4901* Upper Cutter Assy		Manufactured	No				Each	16.0000	**	17		PC	DAS 28 9-89
DAS 27 9-89 <u>Location</u> CCK025 106318 <u>108550</u> 124739 124740 128190 <u>Loc Qty</u> 16 2 8 2 2 2 <u>Loc Code</u> 													
649.5010 *649 5010* Deflector		Manufactured	No				Each	10.0000	**	1		PC	DAS 28 9-89
DAS 27 9-89 <u>Location</u> CCK041 <u>108536</u> m127615 <u>Loc Qty</u> 10 9 1 <u>Loc Code</u> 													

AUG 03 2016

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :				MRB (QSI042) Approval	
Description Work Order Deviation				Disposition				Completed By	
								Lead hand / Supervisor Approval Verification	
								QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐				
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐				
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐				
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐				
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐				
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐				
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐				
Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____							
Misidentified ☐	Past Due ☐								

Picklist Print

Page 2

Monday, July 25, 2016 2:26:49 PM

Work Order ID: 149526

149526

Parent Item: 649.4701

649 4701

Parent Item Name: AW119 Cable Cutter System

Start Date: 8/4/2016

Required Date: 8/11/2016

Start Qty: 1.00

Required Qty: 1.00

649.5214
649 5214
Bracket

Manufactured No

Each 7.0000

**

DAS
27
9-89

Location

Loc Qty

Loc Code

cck125

7

109705

7

Each

7.0000

**

649.5212
649 5212
Bracket

Manufactured No

DAS
27
9-89

Location

Loc Qty

Loc Code

cck125

7

109704

7

Each

8.0000

**

649.4811
649 4811
Clip

Manufactured No

DAS
27
9-89

Location

Loc Qty

Loc Code

CCK121

8

92928

8

Each

18.0000

**

649.5012
649 5012
Deflector

Manufactured No

DAS
27
9-89

Location

Loc Qty

Loc Code

CCK124

18

108969

16

m127615

2

AUG 03 7014

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS <table style="width: 100%; border: none;"> <tr> <td style="border: none;">Skid-tube ☐</td> <td style="border: none;">Cross tube ☐</td> <td style="border: none;">Water Jet ☐</td> <td style="border: none;">Engineering ☐</td> </tr> <tr> <td style="border: none;">Machining ☐</td> <td style="border: none;">Small Fab ☐</td> <td style="border: none;">Prod. Eng. Coord. ☐</td> <td style="border: none;">Quality ☐</td> </tr> <tr> <td style="border: none;">Thermoforming ☐</td> <td style="border: none;">Finishing ☐</td> <td style="border: none;">Rec/Store/Packaging ☐</td> <td style="border: none;">Other ☐</td> </tr> <tr> <td style="border: none;">Large Fab ☐</td> <td style="border: none;">Composite ☐</td> <td style="border: none;">Supplier ☐</td> <td></td> </tr> </table>						Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐	
Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐																						
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Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐																						
Large Fab ☐	Composite ☐	Supplier ☐																							
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval																		
Description Work Order Deviation				Disposition				Completed By																	
								Lead hand / Supervisor Approval Verification																	
								QC / QA Coordinator Approval																	
Root Cause		FAULT CATEGORY																							
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐				Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐				Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐				Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐											
OTHER : ☐																									

Picklist Print

Page 3

Monday, July 25, 2016 2:26:49 PM

Work Order ID: 149526

149526

Parent Item: 649.4701

649 4701

Parent Item Name: AW119 Cable Cutter System

Start Date: 8/4/2016

Required Date: 8/11/2016

Start Qty: 1.00

Required Qty: 1.00

649.5013

Manufactured No

Each

20.0000

649 5013

Deflector

DAS
27
9-89

Location

Loc Qty

Loc Code

CCK063

20

109385

20

Each

10.0000

649.5011

Manufactured No

649 5011

Deflector

DAS
27
9-89

Location

Loc Qty

Loc Code

CCK124

10

109551

10

Each

3.0000

649.5210

Manufactured No

649 5210

Doubler

DAS
27
9-89

Location

Loc Qty

Loc Code

cck125

3

131149

3

Each

14.0000

649.4814

Manufactured No

649 4814

Doubler

DAS
27
9-89

Location

Loc Qty

Loc Code

CCK121

14

131033

6

92931

8

AUG 03 2016

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date :	Step #:	QTY Effective :		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition		Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval	
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐			
		OTHER : ☐			

Picklist Print

Monday, July 25, 2016 2:26:49 PM

Page 4

Work Order ID: 149526

149526

Parent Item: 649.4701

649 4701

Parent Item Name: AW119 Cable Cutter System

Start Date: 8/4/2016

Required Date: 8/11/2016

Start Qty: 1.00

Required Qty: 1.00

649.4816
649 4816
Doubler

Manufactured No

Each 11.0000

**

1

PC

DAS
28
9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

CCK063

11

126245

11

Each 31.0000

**

2

PC

DAS
28
9-89

601.3493
601 3493
Quick Release Pin

Manufactured No

Each 31.0000

**

DAS
27
9-89

Location

Loc Qty

Loc Code

cck101

31

m127615

31

Each 33.0000

**

2

PC

DAS
28
9-89

649.5211
649 5211
Shim

Manufactured No

Each 33.0000

**

DAS
27
9-89

Location

Loc Qty

Loc Code

cck125

33

108557

21

126246

12

Each 24.0000

**

1

PC

DAS
28
9-89

649.4813
649 4813
Shim

Manufactured No

Each 24.0000

**

DAS
27
9-89

Location

Loc Qty

Loc Code

CCK121

24

92930

24

2

AUG 3 2016

Monday, July 25, 2016 2:26:49 PM

Shop Packet Print

Page 4

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :				MRB (QSI042) Approval	
Description Work Order Deviation				Disposition				Completed By	
								Lead hand / Supervisor Approval Verification	
								QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐				
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐				
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐				
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐				
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐				
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐				
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐				
Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____							
Misidentified ☐	Past Due ☐								

Picklist Print

Monday, July 25, 2016 2:26:50 PM

Page 5

Work Order ID: 149526

149526

Parent Item: 649.4701

649 4701

Parent Item Name: AW119 Cable Cutter System

Start Date: 8/4/2016

Required Date: 8/11/2016

Start Qty: 1.00

Required Qty: 1.00

649.5213
649 5213
Doubler

Manufactured No

Each 15.0000

**

PC DAS 28 9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

cck125
108558
131093

15
9
6

2
1

649.4812
649 4812
Shim

Manufactured No

Each 12.0000

**

PC DAS 28 9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

CCK062
131150
92929

12
8
4

3

649.4815
649 4815
Shim

Manufactured No

Each 23.0000

**

PC DAS 28 9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

CCK062
92932
m127615

23
12
11

3
4

646.9910
646 9910
Struts

Manufactured No

Each 27.0000

**

PC DAS 28 9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

CCK014
142643
93189

27
21
6

4

AUG 03 2016

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval		
Description Work Order Deviation				Disposition				Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY							
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐	Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐	Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐				
OTHER :									

Picklist Print

Monday, July 25, 2016 2:26:50 PM

Work Order ID: 149526

149526

Parent Item: 649.4701

649 4701

Parent Item Name: AW119 Cable Cutter System

Start Date: 8/4/2016

Required Date: 8/11/2016

Start Qty: 1.00

Required Qty: 1.00

647.9014
647 9014
Strut Bracket

Manufactured No

Each 146.0000

**

87

PC DAS 28 9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

cck023a

120

93290

120

cck117

26

93290

26

Each

30.0000

**

2

PC DAS 28 9-89

649.5110
649 5110
Wiper Deflector

Manufactured No

DAS
27
9-89

Location

Loc Qty

Loc Code

CCK032a

30

108877

30

Each

14.0000

**

1

PC DAS 28 9-89

649.5111
649 5111
LH Wiper Deflector

Manufactured No

DAS
27
9-89

Location

Loc Qty

Loc Code

CCK064

14

108618

7

108619

3

126882

4

Each

16.0000

**

1

PC DAS 28 9-89

649.5112
649 5112
Wiper Deflector

Manufactured No

DAS
27
9-89

Location

Loc Qty

Loc Code

CCK064

16

108918

14

129406

2

AUG 03 2016

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS <table style="width: 100%; border: none;"> <tr> <td style="border: none;">Skid-tube ☐</td> <td style="border: none;">Cross tube ☐</td> <td style="border: none;">Water Jet ☐</td> <td style="border: none;">Engineering ☐</td> </tr> <tr> <td style="border: none;">Machining ☐</td> <td style="border: none;">Small Fab ☐</td> <td style="border: none;">Prod. Eng. Coord. ☐</td> <td style="border: none;">Quality ☐</td> </tr> <tr> <td style="border: none;">Thermoforming ☐</td> <td style="border: none;">Finishing ☐</td> <td style="border: none;">Rec/Store/Packaging ☐</td> <td style="border: none;">Other ☐</td> </tr> <tr> <td style="border: none;">Large Fab ☐</td> <td style="border: none;">Composite ☐</td> <td style="border: none;">Supplier ☐</td> <td></td> </tr> </table>						Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐	
Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐																						
Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐																						
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Date :		Step #:		QTY Effective :			MRB (QSI042) Approval																		
Description Work Order Deviation				Disposition				Completed By																	
								Lead hand / Supervisor Approval Verification																	
								QC / QA Coordinator Approval																	
Root Cause		FAULT CATEGORY																							
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐	Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐	Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐																				
OTHER : ☐																									

Picklist Print

Monday, July 25, 2016 2:26:50 PM

Work Order ID: 149526

149526

Parent Item: 649.4701

649 4701

Parent Item Name: AW119 Cable Cutter System

Start Date: 8/4/2016

Required Date: 8/11/2016

Start Qty: 1.00

Required Qty: 1.00

AN3C12A

Purchased

No

Each

148.0000

8

AN3C12A

Bolt

**

PC

DAS
28
9-89

Location

Loc Qty

Loc Code

GA	43	
M128727	9	
M133990	34	
OVER002	75	
M134955	75	
ST349	30	
M128727	1	
M133790	2	
M134606	27	

DAS
27
9-89

AN4C5A

Purchased

No

Each

90.0000

4

AN4C5A

Bolt

**

PC

DAS
28
9-89

Location

Loc Qty

Loc Code

FP001	49	
m133990	49	
ST345	41	
m134478	41	

DAS
27
9-89

AN4C7A

Purchased

No

Each

64.0000

2

AN4C7A

BOLT

**

PC

DAS
28
9-89

Location

Loc Qty

Loc Code

OVER002	60	
m134861	60	
ST345	4	
m133523	4	

DAS
27
9-89

AUG 03 2016

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS <table style="width: 100%; border: none;"> <tr> <td style="width: 15%;">Skid-tube ☐</td> <td style="width: 15%;">Cross tube ☐</td> <td style="width: 15%;">Water Jet ☐</td> <td style="width: 15%;">Engineering ☐</td> </tr> <tr> <td>Machining ☐</td> <td>Small Fab ☐</td> <td>Prod. Eng. Coord. ☐</td> <td>Quality ☐</td> </tr> <tr> <td>Thermoforming ☐</td> <td>Finishing ☐</td> <td>Rec/Store/Packaging ☐</td> <td>Other ☐</td> </tr> <tr> <td>Large Fab ☐</td> <td>Composite ☐</td> <td>Supplier ☐</td> <td></td> </tr> </table>						Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐	
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Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐																						
Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐																						
Large Fab ☐	Composite ☐	Supplier ☐																							
Date :		Step #:		QTY Effective :			MRB (QS1042) Approval																		
Description Work Order Deviation				Disposition				Completed By																	
								Lead hand / Supervisor Approval Verification																	
										QC / QA Coordinator Approval															
Root Cause		FAULT CATEGORY																							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐																				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐																				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐																				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐																				
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐																				
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐																				
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Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐																				
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐																				
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐																				
Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____																							
Misidentified ☐	Past Due ☐																								

Picklist Print

Monday, July 25, 2016 2:26:50 PM

Work Order ID: 149526

149526

Parent Item: 649.4701

649 4701

Parent Item Name: AW119 Cable Cutter System

Start Date: 8/4/2016

Required Date: 8/11/2016

Start Qty: 1.00

Required Qty: 1.00

NAS1097AD-4-3

Purchased

No

Each

3,635.000

2

NAS1097AD-4-3

Cherry Rivet

PC DAS 28 9-89

DAS 27 9-89

Location

Loc Qty

Loc Code

ST267

3635

123648

3558

m127615

77

Each

100.0000

16

CR3213-5-03

Purchased

No

CR3213-5-03

Cherry Rivet

X M134142 PC DAS 28 9-89

DAS 27 9-89

Location

Loc Qty

Loc Code

CCK003

100

m134754

100

Each

134.0000

29

CR3213-4-05

Purchased

No

CR3213-4-05

RIVET

PC DAS 28 9-89

DAS 27 9-89

Location

Loc Qty

Loc Code

CCK005

100

m135135

100

ST319

34

m135056

34

Each

111.0000

20

CR3213-5-05

Purchased

No

CR3213-5-05

Cherry Rivet

PC DAS 28 9-89

DAS 27 9-89

Location

Loc Qty

Loc Code

ST319

111

123648

111

26

AUG 03 2016

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS <table style="width:100%; border: none;"> <tr> <td style="border: none;">Skid-tube ☐</td> <td style="border: none;">Cross tube ☐</td> <td style="border: none;">Water Jet ☐</td> <td style="border: none;">Engineering ☐</td> </tr> <tr> <td style="border: none;">Machining ☐</td> <td style="border: none;">Small Fab ☐</td> <td style="border: none;">Prod. Eng. Coord. ☐</td> <td style="border: none;">Quality ☐</td> </tr> <tr> <td style="border: none;">Thermoforming ☐</td> <td style="border: none;">Finishing ☐</td> <td style="border: none;">Rec/Store/Packaging ☐</td> <td style="border: none;">Other ☐</td> </tr> <tr> <td style="border: none;">Large Fab ☐</td> <td style="border: none;">Composite ☐</td> <td style="border: none;">Supplier ☐</td> <td style="border: none;"></td> </tr> </table>						Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐	
Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐																						
Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐																						
Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐																						
Large Fab ☐	Composite ☐	Supplier ☐																							
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval																		
Description Work Order Deviation				Disposition				Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval																	
Root Cause		FAULT CATEGORY																							
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐				Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐				Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐				Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐											
		OTHER :																							

Picklist Print

Monday, July 25, 2016 2:26:50 PM

Work Order ID: 149526

149526

Parent Item: 649.4701

649 4701

Parent Item Name: AW119 Cable Cutter System

Start Date: 8/4/2016

Required Date: 8/11/2016

Start Qty: 1.00

Required Qty: 1.00

CR3213-6-12

Purchased

No

Each

624.0000

31

CR3213-6-12

RIVET

**

PC DAS 28 9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

CCK003

600

123845

400

m127410

200

ST318

24

m127615

24

Each

82.0000

**

2

PC DAS 28 9-89

CR3214-5-02

Purchased

No

CR3214-5-02

Cherry Rivet

DAS
27
9-89

Location

Loc Qty

Loc Code

ST318

82

123648

82

Each

310.0000

**

2

PC DAS 28 1-89

NAS1832-3-7

Purchased

No

NAS1832-3-7

Insert

DAS
27
9-89

Location

Loc Qty

Loc Code

ST548

310

123694

68

m127432

50

m127615

192

Each

44.0000

**

2

PC DAS 28 9-89

NAS1832-4-7

Purchased

No

NAS1832-4-7

Insert

DAS
27
9-89

Location

Loc Qty

Loc Code

ST548

44

123758

38

m127615

6

2

AUG 03 2016

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS <table style="width: 100%; border: none;"> <tr> <td style="border: none;">Skid-tube ☐</td> <td style="border: none;">Cross tube ☐</td> <td style="border: none;">Water Jet ☐</td> <td style="border: none;">Engineering ☐</td> </tr> <tr> <td style="border: none;">Machining ☐</td> <td style="border: none;">Small Fab ☐</td> <td style="border: none;">Prod. Eng. Coord. ☐</td> <td style="border: none;">Quality ☐</td> </tr> <tr> <td style="border: none;">Thermoforming ☐</td> <td style="border: none;">Finishing ☐</td> <td style="border: none;">Rec/Store/Packaging ☐</td> <td style="border: none;">Other ☐</td> </tr> <tr> <td style="border: none;">Large Fab ☐</td> <td style="border: none;">Composite ☐</td> <td style="border: none;">Supplier ☐</td> <td></td> </tr> </table>						Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐	
Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐																						
Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐																						
Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐																						
Large Fab ☐	Composite ☐	Supplier ☐																							
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval																		
Description Work Order Deviation				Disposition				Completed By																	
								Lead hand / Supervisor Approval Verification																	
								QC / QA Coordinator Approval																	
Root Cause		FAULT CATEGORY																							
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐	Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐	Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐																				
OTHER :																									

Picklist Print

Monday, July 25, 2016 2:26:50 PM

Work Order ID: 149526

149526

Parent Item: 649.4701

649 4701

Parent Item Name: AW119 Cable Cutter System

Start Date: 8/4/2016

Required Date: 8/11/2016

Start Qty: 1.00

Required Qty: 1.00

NAS1834C-300 NAS1834C3-300 Purchased No

Each 0.0000

NAS1834C-300

not a good# see NAS1834C3-300

MS21042L08

Purchased No

Each 916.0000

MS21042L08

Nut

Location

Loc Qty

Loc Code

GA 169

m134063 169

ST303 733

m133922 37

m134962 146

m135046 350

m135133 100

m135274 100

ST308 14

m134376 14

DAS
27
9-89

②
X M124826
14
PC
DAS
28
9-89

AUG 03 2016

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval		
Description Work Order Deviation				Disposition				Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐				
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐				
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐				
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐				
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐				
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐				
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐				
Past Expiry Date ☐	Manufacturing Process ☐	OTHER :							
Misidentified ☐	Past Due ☐								

Picklist Print

Monday, July 25, 2016 2:26:50 PM

Work Order ID: 149526

149526

Parent Item: 649.4701

649 4701

Parent Item Name: AW119 Cable Cutter System

Start Date: 8/4/2016

Required Date: 8/11/2016

Start Qty: 1.00

Required Qty: 1.00

MS21042L3

Purchased

No

Each

2,283.000

25

MS21042I 3

Nut

**

PC DAS 28 9-89

DAS 27 9-89

Location

Loc Qty

Loc Code

CCK007

600

m135056

600

FP001

14

m133790

14

GA

571

m134360

112

m135135

459

OVER007

700

m135135

700

ST303

398

m134039

12

m134943

386

25

MS21042L4

Purchased

No

Each

2,733.000

1/1

MS21042I 4

Locknut

**

PC DAS 28 9-89

DAS 27 9-89

Location

Loc Qty

Loc Code

FP001

51

m133363

51

GA

156

m133769

156

OVER007

2000

m135127

1000

m135297

1000

ST3003

26

m134955

26

ST303

500

m135058

500

1

AUG 03 2016

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval 		
Description Work Order Deviation				Disposition					
								Completed By	
								Lead hand / Supervisor Approval Verification	
								QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐				
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐				
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐				
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐				
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐				
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐				
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐				
Past Expiry Date ☐	Manufacturing Process ☐	OTHER :							
Misidentified ☐	Past Due ☐								

Picklist Print

Monday, July 25, 2016 2:26:50 PM

Work Order ID: 149526

149526

Parent Item: 649.4701

649 4701

Parent Item Name: AW119 Cable Cutter System

Start Date: 8/4/2016

Required Date: 8/11/2016

Start Qty: 1.00

Required Qty: 1.00

MS21059-3

Purchased

No

Each

515.0000

MS21059-3

Nut Plate

**

6

PC DAS 28 9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

CA
123301
ST301
123023
123900

6
6
509
50
459

12

MS20426AD3-5

Purchased

No

Each

4,127.000

MS20426AD3-5

Rivet

**

PC DAS 28 9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

GA
4533
ST312
4444

4052
4052
75
75

12
23

MS20470AD4-3

Purchased

No

Each

408.0000

MS20470AD4-3

Rivet - Universal Head

**

PC DAS 28 9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

GA
2193
ST310
2193

284
284
124
124

23

AUG 03 2016

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval 		
Description Work Order Deviation				Disposition					
								Completed By	
								Lead hand / Supervisor Approval Verification	
								QC / QA Coordinator Approval	

Root Cause				FAULT CATEGORY							
Environment	☐	No Re-verification	☐	Pressure/Forced	☐	Temperature/Cure	☐	Power Loss/Surge	☐	Positioned Wrong	☐
Design	☐	Operator	☐	Bending	☐	Set-up	☐	Folio/Program	☐	Outside Dimensions	☐
Doc/Data	☐	Offset/Setup	☐	Centre Not Concentric	☐	BOM/Route	☐	Grain	☐	Over/Under tolerance	☐
Equip/Tooling	☐	Supplier	☐	Cracks	☐	Broken/Damage/Defect	☐	Weld	☐	Part Incorrect	☐
Handling/Pre	☐	Training	☐	Crimp/Kink/Ripple/Wave	☐	Inspection Incomplete/Unqualified	☐	Wrong Stock Pulled	☐	Part Lost/Missing	☐
Material	☐	Use for Testing	☐	Cuffs	☐	Contamination	☐	Out of Sequence	☐	Part Moved	☐
Internal Transport	☐	Poor Information	☐	Crushing	☐	Countersink	☐	Off-set	☐	Drawing	☐
Tribal Knowledge	☐	Rushing	☐	Heat Treat	☐	Cut Too Short	☐	Mislabeled	☐	Finish	☐
LOA	☐	Product Improvement	☐	Wave/Twist in Tube	☐	Instructions Incomplete/Unclear	☐	Fit/Function	☐	Misread	☐
Substation	☐	Process Improvement	☐	Marks/Chatter	☐	Drill Holes	☐	Misaligned/off center	☐	Turning Sequence	☐
Past Expiry Date	☐	Manufacturing Process	☐	OTHER : _____							
Misidentified	☐	Past Due	☐								

Picklist Print

Page 13

Monday, July 25, 2016 2:26:50 PM

Work Order ID: 149526

149526

Parent Item: 649.4701

649 4701

Parent Item Name: AW119 Cable Cutter System

Start Date: 8/4/2016

Required Date: 8/11/2016

Start Qty: 1.00

Required Qty: 1.00

MS20470AD5-9

Purchased

No

Each

342.0000

4

MS20470AD5-9

Rivet

******PC DAS
28
9-89DAS
27
9-89LocationLoc QtyLoc Code

ST309

342

m123900

18

m125807

46

m127615

278

4

MS20470AD5-11

Purchased

No

Each

1,062.000

8

MS20470AD5-11

Rivet

PC

DAS
28
9-89DAS
27
9-89LocationLoc QtyLoc Code

CCK004

189

m127615

189

ST309

873

107100

873

8

MS24694-S57

Purchased

No

Each

82.0000

2

MS24694-S57

Screw

******PC DAS
28
9-89DAS
27
9-89LocationLoc QtyLoc Code

ST283

82

M127380

82

2
3

MS24694-S13

Purchased

No

Each

76.0000

MS24694-S13

Screw

******PC DAS
28
9-89DAS
27
9-89LocationLoc QtyLoc Code

ST284

76

123648

76

3

AUG 03 2016

Monday, July 25, 2016 2:26:50 PM

Shop Packet Print

Page 13

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS <table style="width:100%; border: none;"> <tr> <td style="border: none;">Skid-tube ☐</td> <td style="border: none;">Cross tube ☐</td> <td style="border: none;">Water Jet ☐</td> <td style="border: none;">Engineering ☐</td> </tr> <tr> <td style="border: none;">Machining ☐</td> <td style="border: none;">Small Fab ☐</td> <td style="border: none;">Prod. Eng. Coord. ☐</td> <td style="border: none;">Quality ☐</td> </tr> <tr> <td style="border: none;">Thermoforming ☐</td> <td style="border: none;">Finishing ☐</td> <td style="border: none;">Rec/Store/Packaging ☐</td> <td style="border: none;">Other ☐</td> </tr> <tr> <td style="border: none;">Large Fab ☐</td> <td style="border: none;">Composite ☐</td> <td style="border: none;">Supplier ☐</td> <td></td> </tr> </table>						Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐																																																	
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Picklist Print

Monday, July 25, 2016 2:26:50 PM

Work Order ID: 149526

149526

Parent Item: 649.4701

649 4701

Parent Item Name: AW119 Cable Cutter System

Start Date: 8/4/2016

Required Date: 8/11/2016

Start Qty: 1.00

Required Qty: 1.00

MS24694-S58

Purchased

No

Each

82.0000

MS24694-S58

SCREW

**

DAS
27
9-89

Location

Loc Qty

Loc Code

ST283

82

m131317

82

Each

1,780.000

MS27039-1-18

Purchased

No

MS27039-1-18

Screw

**

DAS
27
9-89

Location

Loc Qty

Loc Code

GA

247

123522

51

124326

196

over006

1371

124326

1371

ST280

162

124326

162

Each

739.0000

MS27039-1-14

Purchased

No

MS27039-1-14

Screw

**

DAS
27
9-89

Location

Loc Qty

Loc Code

GA

94

120449

94

over006

500

124326

500

ST280

145

124326

145

AUG 03 2016

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS <table style="width:100%; border: none;"> <tr> <td style="border: none;">Skid-tube ☐</td> <td style="border: none;">Cross tube ☐</td> <td style="border: none;">Water Jet ☐</td> <td style="border: none;">Engineering ☐</td> </tr> <tr> <td style="border: none;">Machining ☐</td> <td style="border: none;">Small Fab ☐</td> <td style="border: none;">Prod. Eng. Coord. ☐</td> <td style="border: none;">Quality ☐</td> </tr> <tr> <td style="border: none;">Thermoforming ☐</td> <td style="border: none;">Finishing ☐</td> <td style="border: none;">Rec/Store/Packaging ☐</td> <td style="border: none;">Other ☐</td> </tr> <tr> <td style="border: none;">Large Fab ☐</td> <td style="border: none;">Composite ☐</td> <td style="border: none;">Supplier ☐</td> <td></td> </tr> </table>						Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐	
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Date :		Step #:		QTY Effective :			MRB (QSI042) Approval																		
Description Work Order Deviation				Disposition				Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval																	
Root Cause		FAULT CATEGORY																							
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐	Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐	Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐	OTHER : _____																			

Picklist Print

Monday, July 25, 2016 2:26:50 PM

Work Order ID: 149526

149526

Parent Item: 649.4701

649 4701

Parent Item Name: AW119 Cable Cutter System

Start Date: 8/4/2016

Required Date: 8/11/2016

Start Qty: 1.00

Required Qty: 1.00

MS27039-08-24

Purchased

No

Each

294.0000

MS27039-08-24

Screw (MS27039-0824)

**

3

PC

DAS
28
9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

GA
124326
ST277
125654

279
279
15
15

Each

628.0000

**

13

PC

DAS
28
9-89

MS27039-1-13

Purchased

No

MS27039-1-13

Screw

DAS
27
9-89

Location

Loc Qty

Loc Code

GA
124326
over006
124326
ST280
125654

70
70
295
295
263
263

Each

366.0000

**

6

PC

DAS
28
9-89

MS27039-08-19

Purchased

No

MS27039-08-19

Screw

DAS
27
9-89

Location

Loc Qty

Loc Code

GA
m132930
m133077
m134063
m135046
ST277
m135133

270
84
22
64
100
96
96

Each

366.0000

**

6

AUG 03 2016

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS <table style="width: 100%; border: none;"> <tr> <td style="border: none;">Skid-tube ☐</td> <td style="border: none;">Cross tube ☐</td> <td style="border: none;">Water Jet ☐</td> <td style="border: none;">Engineering ☐</td> </tr> <tr> <td style="border: none;">Machining ☐</td> <td style="border: none;">Small Fab ☐</td> <td style="border: none;">Prod. Eng. Coord. ☐</td> <td style="border: none;">Quality ☐</td> </tr> <tr> <td style="border: none;">Thermoforming ☐</td> <td style="border: none;">Finishing ☐</td> <td style="border: none;">Rec/Store/Packaging ☐</td> <td style="border: none;">Other ☐</td> </tr> <tr> <td style="border: none;">Large Fab ☐</td> <td style="border: none;">Composite ☐</td> <td style="border: none;">Supplier ☐</td> <td></td> </tr> </table>						Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐																																																	
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OTHER :																																																																									

Picklist Print

Monday, July 25, 2016 2:26:50 PM

Work Order ID: 149526

149526

Parent Item: 649.4701

649 4701

Parent Item Name: AW119 Cable Cutter System

Start Date: 8/4/2016

Required Date: 8/11/2016

Start Qty: 1.00

Required Qty: 1.00

MS27039-1-25

Purchased

No

Each

126.0000

MS27039-1-25

Screw

**

PC

DAS
28
9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

over006

100

m127432

100

ST279

26

102602

26

MS27039-1-08

Purchased

No

Each

395.0000

MS27039-1-08

Screw

**

PC

DAS
28

DAS
27
9-89

Location

Loc Qty

Loc Code

FP001

73

m128636

73

GA

72

125654

1

m128636

71

ST281

250

m134762

250

MS27039-1-10

Purchased

No

Each

166.0000

MS27039-1-10

SCREW

**

PC

DAS
28

DAS
27
9-89

Location

Loc Qty

Loc Code

GA

14

m129541

14

ST280

152

m134676

152

Aug 13 2016

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS <table style="width: 100%; border: none;"> <tr> <td style="border: none;">Skid-tube ☐</td> <td style="border: none;">Cross tube ☐</td> <td style="border: none;">Water Jet ☐</td> <td style="border: none;">Engineering ☐</td> </tr> <tr> <td style="border: none;">Machining ☐</td> <td style="border: none;">Small Fab ☐</td> <td style="border: none;">Prod. Eng. Coord. ☐</td> <td style="border: none;">Quality ☐</td> </tr> <tr> <td style="border: none;">Thermoforming ☐</td> <td style="border: none;">Finishing ☐</td> <td style="border: none;">Rec/Store/Packaging ☐</td> <td style="border: none;">Other ☐</td> </tr> <tr> <td style="border: none;">Large Fab ☐</td> <td style="border: none;">Composite ☐</td> <td style="border: none;">Supplier ☐</td> <td style="border: none;"></td> </tr> </table>						Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐	
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Date :		Step #:		QTY Effective :			MRB (QSI042) Approval																		
Description Work Order Deviation				Disposition				Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval																	
Root Cause		FAULT CATEGORY																							
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		OTHER : _____																							

Picklist Print

Page 17

Monday, July 25, 2016 2:26:51 PM

Work Order ID: 149526

149526

Parent Item: 649.4701

649 4701

Parent Item Name: AW119 Cable Cutter System

Start Date: 8/4/2016

Required Date: 8/11/2016

Start Qty: 1.00

Required Qty: 1.00

AN970-3 Purchased No

Each 201.0000

2

AN970-3

Washers

**

PC DAS 28 9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

ST260a

198

m129630

198

ST321

3

m128057

3

Each

2,563.000

53

**

PC DAS 28 9-89

NAS1149F0332P

Purchased

No

NAS1149F0332P

Washer

DAS
27
9-89

Location

Loc Qty

Loc Code

GA

282

m133709

282

ST262

2281

m134257

37

m134676

244

m135058

2000

Each

2,531.000

23

**

PC DAS 28 9-89

NAS1149FN832P

Purchased

No

NAS1149FN832P

Washer

DAS
27
9-89

Location

Loc Qty

Loc Code

GA

181

M133316

16

M133769

165

ST260a

1600

M135058

1600

ST263

750

M134257

750

ALLIG N 3 2016

Monday, July 25, 2016 2:26:51 PM

Shop Packet Print

Page 17

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval 		
Description Work Order Deviation				Disposition					
								Completed By	
				Lead hand / Supervisor Approval Verification					
				QC / QA Coordinator Approval					
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐							
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Monday, July 25, 2016 2:26:51 PM

Work Order ID: 149526

149526

Parent Item: 649.4701

649 4701

Parent Item Name: AW119 Cable Cutter System

Start Date: 8/4/2016

Required Date: 8/11/2016

Start Qty: 1.00

Required Qty: 1.00

NAS1149F0432P

Purchased

No

Each

1,211.000

8

NAS1149F0432P

WASHER

**

PC DAS 28 9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

ST260a

1000

M134955

1000

ST262

211

M134502

211

Each

272.0000

8

**

PC DAS 28 9-89

NAS620C-10L

Purchased

No

***NAS620C-10L ***

Washer

DAS
27
9-89

Location

Loc Qty

Loc Code

st552

272

123648

27

m127432

245

Each

15.0000

1

**

PC DAS 28 9-89

601.2045

Purchased

No

601 2045

RTV (LOCTITE 598)McMaster p/n: 6641A41

DAS
27
9-89

Location

Loc Qty

Loc Code

CCK096

7

m135138

7

GA

8

m134260

8

Each

14.0000

1

**

PC DAS 28 9-89

600.1012

Purchased

No

600 1012

Sealant PR1425B2 (#654 sem)

03/01/2017

DAS
27
9-89

Location

Loc Qty

Loc Code

cck017

14

m134634

6

m135135

8

AUG 03 2016

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
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Picklist Print

Page 19

Monday, July 25, 2016 2:26:51 PM

Work Order ID: 149526

149526

Parent Item: 649.4701

649 4701

Parent Item Name: AW119 Cable Cutter System

Start Date: 8/4/2016

Required Date: 8/11/2016

Start Qty: 1.00

Required Qty: 1.00

MS24694-S14

Purchased

No

Each

85.0000

2

MS24694-S14

Screw

DAS
27
9-89

**

PC DAS
28
9-89

Location

Loc Qty

Loc Code

ST284

85

123648

85

Each

313.0000

16

NAS1149F0363P

Purchased

No

NAS1149F0363P

WASHER

**

PC DAS
28
9-89

Location

Loc Qty

Loc Code

ST262

313

124555

313

16

DAS
27
9-89

AUG 03 2016

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval Completed By _____ Lead hand / Supervisor Approval Verification _____ QC / QA Coordinator Approval _____		
Description Work Order Deviation				Disposition					
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		OTHER : ☐							

APICAL INDUSTRIES, INC.	ENGINEERING CHANGE NOTICE NO. 04486				SHEET 1 OF 1	
	DWG NO. 649.4700	REV: B	PREPARED BY J. SOTO	DATE: 04/04/2014	EFFECT ON DWG ☐ INC. ☒ UNINC.	
	DWG TITLE: A119 CABLE CUTTERS KIT					
	APPROVED BY: ENGR <i>[Signature]</i>	MFG <i>[Signature]</i>	QC <i>[Signature]</i>	EFF. NEXT ORDER		
TRANSACTION CODES (TC): A-ADD C-CREATE R-REVISE D-DELETE	REASON: REVISED F/N 36.					ECR: D-14-02

SHOP COPY
 RETURN TO
 ENGINEERING
 UNCONTROLLED COPY
 SUBJECT TO AMENDMENT
 WITHOUT NOTICE
 WORK ORDER
 NO. 149526 MLJ
 / 6 DB 02

36	R	601.3008	2	INSERT	NAS1834C3-300	
F/N	TC	PART NUMBER	.4701 QTY	DESCRIPTION	MATERIAL	SPECIFICATION
DOCUMENTS EFFECTED:				CHANGE CATEGORY	DER REVIEW REQUIRED	
☐ MDL ☐ INSTALL INSTRUCTIONS ☐ ICA ☐ FMS ☒ BOM				☐ MAJOR ☒ MINOR	☐ YES ☒ NO	

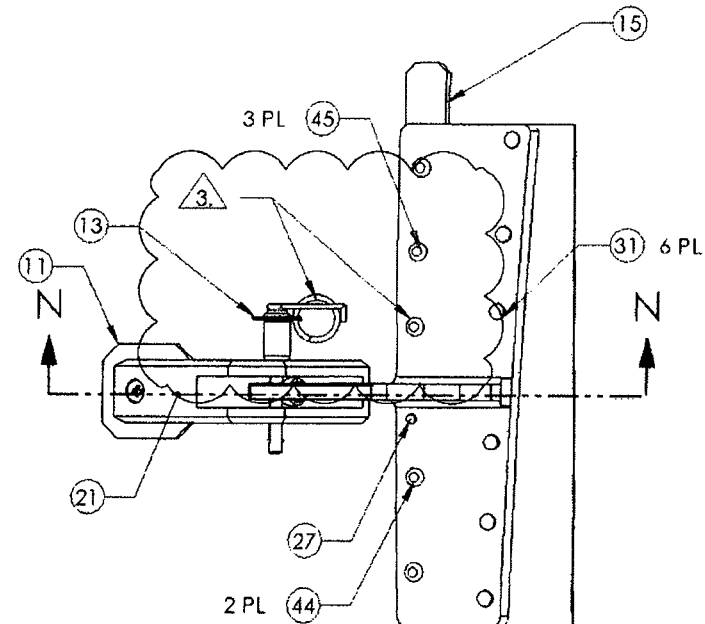
APICAL INDUSTRIES, INC.	ENGINEERING CHANGE NOTICE NO. 03885				SHEET 1 OF 1	
	DWG NO. 649.4700		REV: B	PREPARED BY J. BAINI	DATE: 05/15/13	EFFECT ON DWG ☐ INC. ☒ UNINC.
	DWG TITLE: A119 CABLE CUTTERS KIT					
	APPROVED BY:	ENGR <i>[Signature]</i>	MFG <i>David Barber</i>	QC <i>[Signature]</i>	EFF: CURRENT ORDER	
TRANSACTION CODES (TC): A-ADD C-CREATE R-REVISE D-DELETE		REASON: UPDATED LOCATION/NOTES FOR F/N 13				ECR:

SHEET 1, ZONE A1, IS:

NOTES:

1. APPLY F/N 62 TO FAYING SURFACES.
2. AFTER INSTALLATION, APPLY F/N 63 A/R TO FILL GAPS AND FILLET EDGES
3. MATCH DRILL HOLE ON TAB OF F/N 13 TO FIT RIVET F/N 45

SHEET 3, ZONE D4, IS:



13	R	601.3493	2		QUICK RELEASE PIN		<u>3.</u>
F/N	TC	PART NUMBER	.4701	QTY	DESCRIPTION	MATERIAL	SPECIFICATION
DOCUMENTS EFFECTED:					☐ RFMS ☐ MDL ☐ INSTALL INSTRU ☐ ICA ☒ BOM	CHANGE CATEGORY ☐ MAJOR ☒ MINOR	DER REVIEW REQUIRED ☐ YES ☒ NO

APICAL INDUSTRIES, INC.	ENGINEERING CHANGE NOTICE NO. 03732				SHEET 1 OF 1	
	DWG NO. 649.4700		REV: B	PREPARED BY B. PETERS	DATE: 12/08/12	EFFECT ON DWG ☐ INC. ☒ UNINC.
	DWG TITLE: A119 CABLE CUTTERS KIT					
	APPROVED BY:	ENGR <i>[Signature]</i>	MFG <i>[Signature]</i>	QC <i>[Signature]</i>	EFF: NEXT ORDER	
TRANSACTION CODES (TC) A-ADD C-CREATE R-REVISE D-DELETE		REASON: REVISED SUPPLIER PART NUMBERS ON BOM.				ECR: 12-54

SHEET 1, BOM IS:

46	R	601.3146	2		SCREW	MS24694S57	
36	R	601.3008	2		INSERT	NAS1834C3-300	
F/N	TC	PART NUMBER	QTY		DESCRIPTION	MATERIAL	SPECIFICATION
DOCUMENTS EFFECTED:					CHANGE CATEGORY		DER REVIEW REQUIRED
☐ RFMS ☐ MDL ☐ INSTALL INSTRU ☐ ICA ☒ BOM					☐ MAJOR ☒ MINOR		☐ YES ☒ NO

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NOTES:

1. APPLY F/N 62 TO FAYING SURFACES.
2. AFTER INSTALLATION, APPLY F/N 63 A/R TO FILL GAPS AND FILLET EDGES

2/B7

DETAIL A

3/B7

DETAIL B

DETAIL D

5/B6

DETAIL C

4/B7

UNINCORPORATED ECN(S)

03732, 03845, 04421

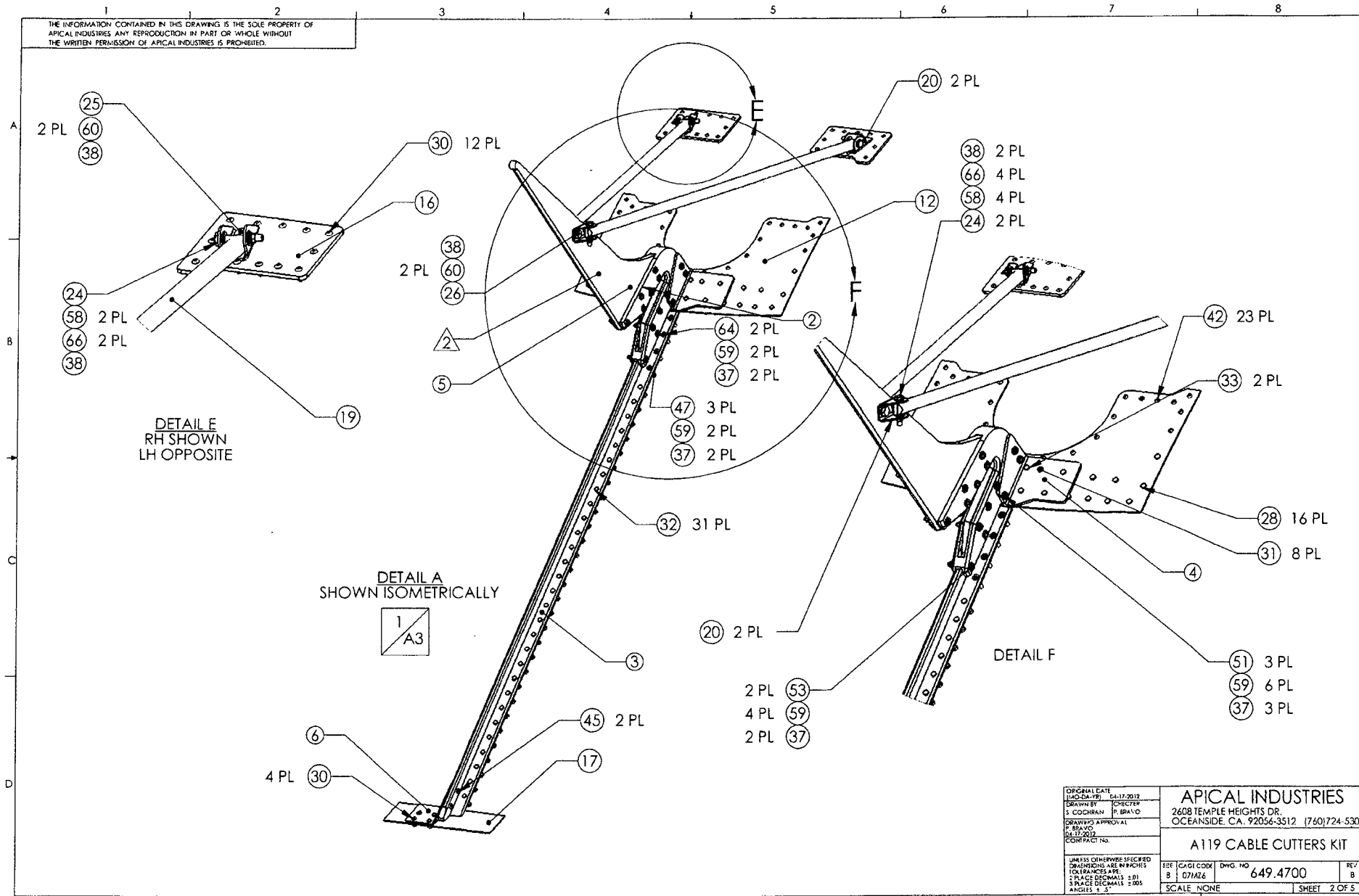
FIND #	PART #	DESCRIPTION	MAT'L	SPEC.
16	66	601.3151	WASHER	NAS1149F0363P
	65		DELETED	
2	64	601.3537	SCREW	MS24694-514
1	63	600.1012	SEALANT	PR-1425 CLASS B
1	62	601.2045	RTV	LOCTITE 598
8	61	601.2381	WASHER	NAS620C-10L
8	60	601.2638	WASHER	NAS1149F0432P
23	59	601.2764	WASHER	NAS1149F0832P
53	58	601.1607	WASHER	NAS1149F0332P
2	57	601.3470	WASHER	AN970-3
6	56	601.1365	SCREW	MS27039-1-10
4	55	601.1621	SCREW	MS27039-1-08
2	54	601.3289	SCREW	MS27039-1-25
6	53	601.2765	SCREW	MS27039-0819
13	52	601.3190	SCREW	MS27039-1-13
3	51	601.3124	SCREW	MS27039-0824
4	50	601.1622	SCREW	MS27039-1-14
4	49	601.2910	SCREW	MS27039-1-18

REV.	DESCRIPTION	DATE	APPROVED
N/C	LAST PROTOTYPE REVISION: PR2		N/C
A	INITIAL RELEASE	01-26-2012	P. BRAVO
A	INCORPORATED ECN 03444, 03489	04-17-2012	P. BRAVO
B	INCORPORATED ECN 03527	05-29-2012	P. BRAVO

	2	48	601.3252	SCREW	MS24694-538	
	3	47	601.3536	SCREW	MS24694-S13	
	2	46	601.3146	SCREW	MS24694-S17	
	8	45	601.1125	RIVET	MS20470ADS-11	
	4	44	601.2542	RIVET	MS20470ADS-9	
		43		DELETED		
	23	42	601.1773	RIVET	MS20470AD4-3	
	12	41	601.1616	RIVET	MS20470AD3-5	
	6	40	601.1900	NUTPLATE	MS21059-3	
	1	39	601.3209	LOCKNUT	MS21042L4	
	25	38	601.1624	LOCKNUT	MS21042L3	
	14	37	601.1541	LOCKNUT	MS21042L6	
	2	36	601.3008	INSERT	NAS1834C-300	
	2	35	601.3468	INSERT	NAS1832-4-7	
	8	34	601.3459	INSERT	NAS1832-3-7	
	2	33	601.3474	CHERRY RIVET	CR3213-4-5-02	
	31	32	601.3496	CHERRY RIVET	CR3213-6-12	
	20	31	601.3472	CHERRY RIVET	CR3213-5-03	
	29	30	601.1183	CHERRY RIVET	CR3213-4-05	
		29		DELETED		
	16	28	601.2020	CHERRY RIVET	CR3213-5-00	
	2	27	601.3473	CHERRY RIVET	NAS1097AD-4-3	
	2	26	601.2669	BOLT	AN4C7A	
	4	25	601.3555	BOLT	AN4C5A	
	8	24	601.0788	BOLT	AN3C12A	
	1	23	649.5112	WIPER DEFLECTOR		
	1	22	649.5111	WIPER DEFLECTOR		
	2	21	649.5110	WIPER DEFLECTOR		
	8	20	647.9014	STRUT BRACKET		
	4	19	646.9910	STRUT		
	3	18	649.4815	SHIM		
	1	17	649.4812	SHIM		
	2	16	649.5213	DOUBLER		
	2	15	649.4813	SHIM		
	1	14	649.5211	SHIM		
	2	13	601.3493	QUICK RELEASE PIN		
	1	12	649.4816	DOUBLER		
	2	11	649.4814	DOUBLER		
	2	10	649.5210	DOUBLER		
	1	9	649.5011	DEFLECTOR		
	2	8	649.5013	DEFLECTOR		
	2	7	649.5012	DEFLECTOR		
	1	6	649.4811	CLIP		
	1	5	649.5212	BRACKET		
	1	4	649.5214	BRACKET		
	1	3	649.5010	DEFLECTOR		
	1	2	649.4901	UPPER CUTTER ASSY		
	1	1	649.4902	LOWER CUTTER ASSY		
			649.4701	A119 CABLE CUTTERS KIT		
	4701	FIND #	PART #	DESCRIPTION	MAT'L	SPEC

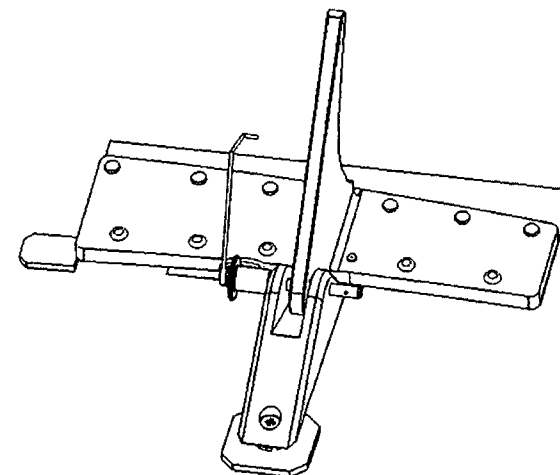
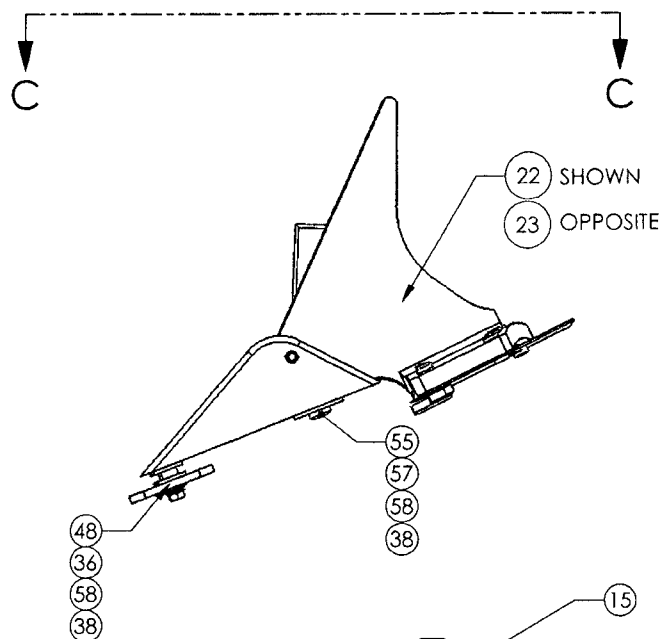
QTY	FIND #	PART #	DESCRIPTION	MAT'L	SPEC.
4701					
PARTS LIST					
ORIGINAL DATE: 04-17-2012					
DRAWN BY: S. COCHRAN					
CHECKED BY: P. BRAVO					
DRAWING APPROVAL: P. BRAVO					
DATE: 04-17-2012					
CONTRACT NO.					
UNLESS OTHERWISE SPECIFIED					
DIMENSIONS ARE IN INCHES					
TOLERANCES ARE:					
FRACTIONS: 1/16, 1/8, 1/4, 3/8, 1/2, 5/8, 3/4, 7/8					
DECIMALS: 0.0005, 0.001, 0.002, 0.005, 0.01, 0.02, 0.05, 0.1, 0.2, 0.5, 1.0					
ANGLES: 1/2, 1, 1 1/2, 2, 3, 4, 6, 8, 10, 15, 20, 30, 45, 60, 75, 90, 105, 120, 135, 150, 165, 180					
NEXT ASSY (S)					
APICAL INDUSTRIES					
2608 TEMPLE HEIGHTS DR.					
OCEANSIDE, CA. 92056-3512 (760)724-5300					
A119 CABLE CUTTERS KIT					
SET	DATE CODE	QTY	NO.	REV.	
B	071426	649.4700		B	
SCALE: NONE					
SHEET 1 OF 5					

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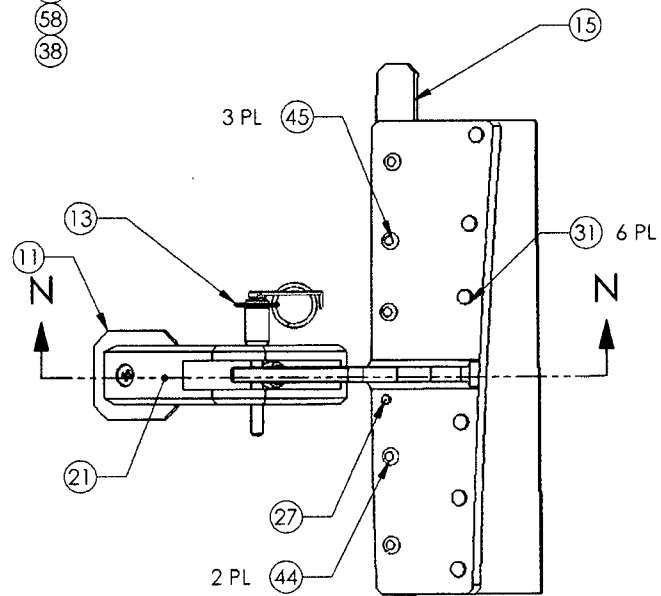
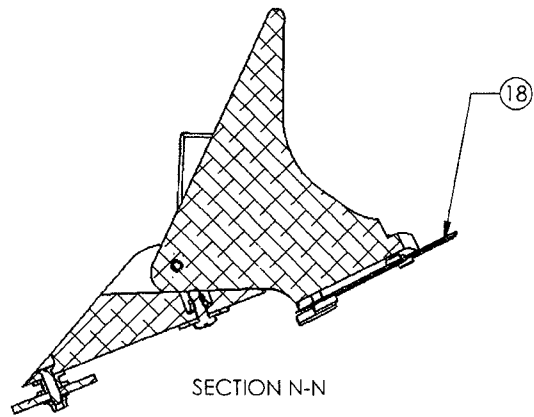


ORIGINAL DATE 10-01-2012 DRAWN BY S. COCHRAN CHECKED BY P. BRAY DATE 10-17-2012 CONTRACT NO.		APICAL INDUSTRIES 2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA 92056-3512 (760) 724-5300	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 3 PLACE DECIMALS ±.01 2 PLACE DECIMALS ±.005 ANGLES ±.5°		SHEET B	DWG. NO. 649.4700
SCALE: NONE		SHEET 2 OF 5	

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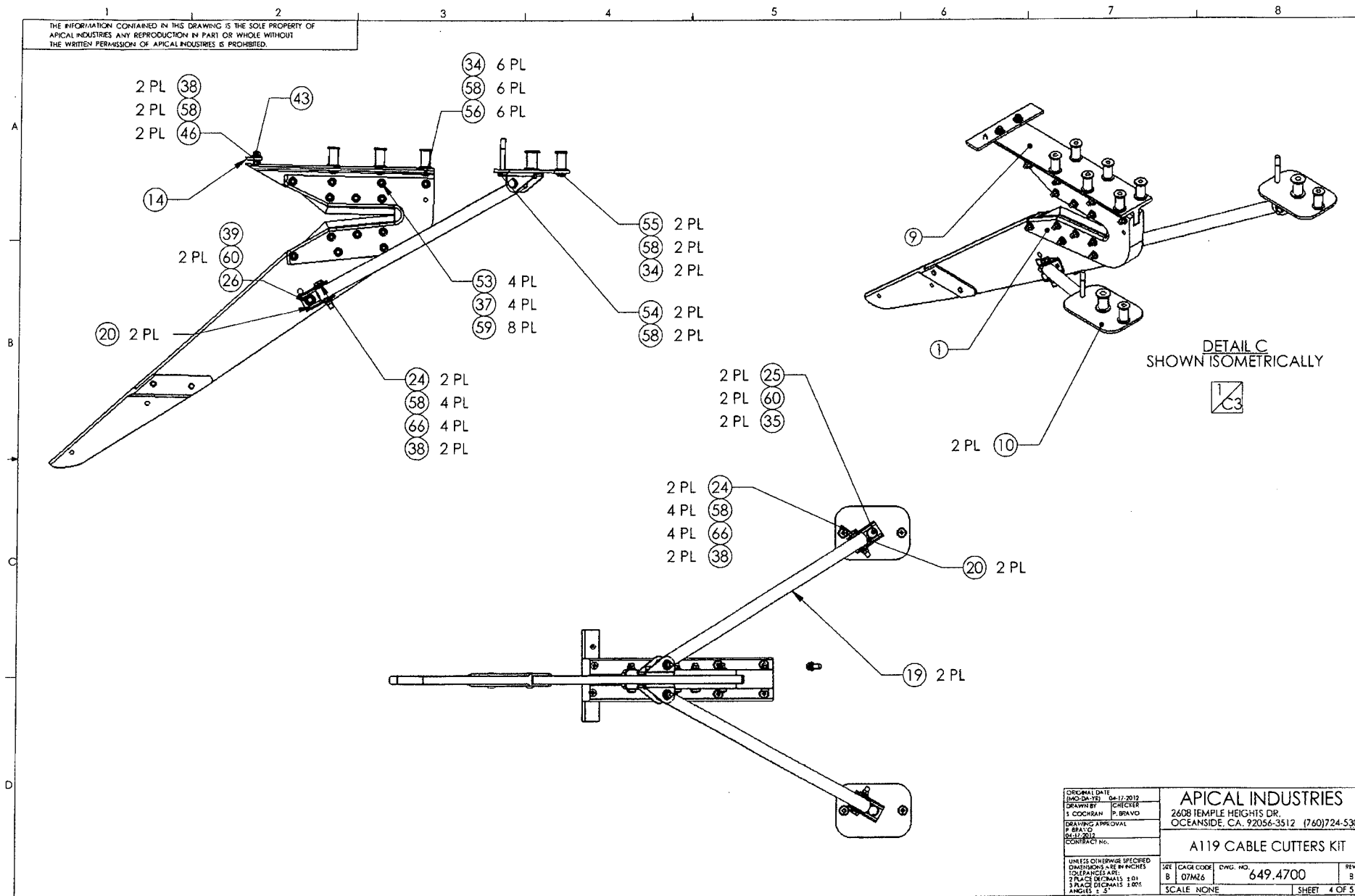


1
B2



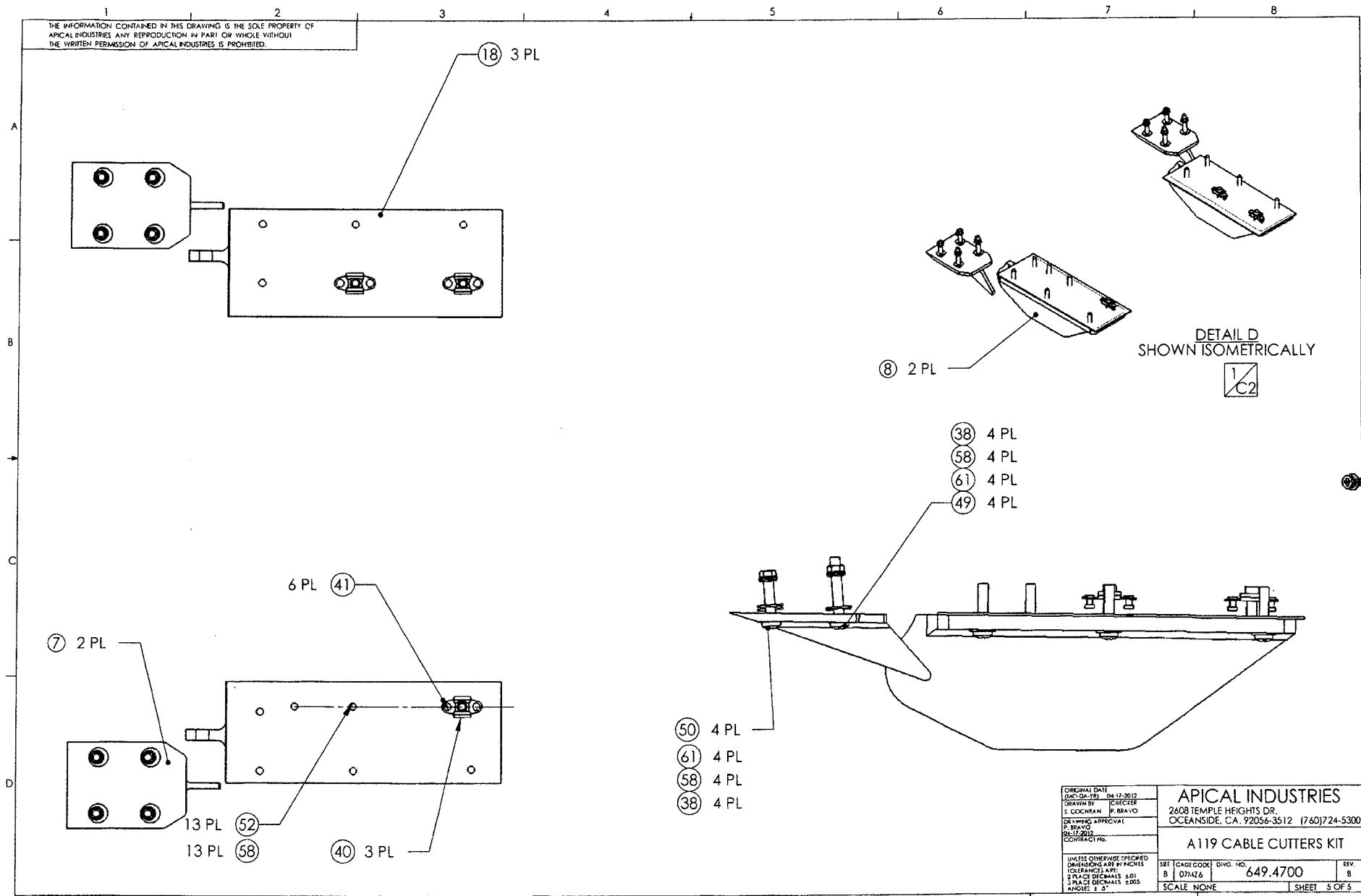
ORIGINAL DATE UNCLASIFIED 04-17-2012		APICAL INDUSTRIES	
DRAWN BY JCHIEFER		2608 TEMPLE HEIGHTS DR.	
S. COCHRAN P. BRAVO		OCEANSIDE, CA. 92056-3512 (760)724-5300	
DRAWING APPROVAL		A119 CABLE CUTTERS KIT	
P. BRAVO		DATE 04-17-2012	
UNLESS OTHERWISE SPECIFIED		SIZE B	REV. B
DIMENSIONS ARE IN INCHES		CAGE CODE 07M16	DWG. NO. 649.4700
TOLERANCES ARE:		SCALE NONE	SHEET 3 OF 5
2 PLACE DECIMALS ±.01			
3 PLACE DECIMALS ±.005			
ANGLES ±.5°			

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ORIGINAL DATE (MM/DD/YYYY) 04-17-2012		APICAL INDUSTRIES	
DRAWN BY S. COCHRAN		2608 TEMPLE HEIGHTS DR.	
DRAWING APPROVAL P. BRAVO		OCEANSIDE, CA. 92056-3512 (760)724-5300	
CONTRACT NO.		A119 CABLE CUTTERS KIT	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		REV. B	REV. B
TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ±.5°		SCALE NONE	SHEET 4 OF 5

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF APICAL INDUSTRIES. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF APICAL INDUSTRIES IS PROHIBITED.



ORIGINAL DATE: 04-12-2012		APICAL INDUSTRIES	
DRAWN BY: S. COCHRAN		2608 TEMPLE HEIGHTS DR.	
CHECKED BY: P. BRAYO		OCEANSIDE, CA. 92056-3512 (760)724-5300	
DRAWING APPROVAL:		A119 CABLE CUTTERS KIT	
P. BRAYO			
04-12-2012			
CONTRACTING:			
UNLESS OTHERWISE SPECIFIED		REV. B	
DIMENSIONS ARE IN INCHES		Dwg. No. 649.4700	
TOLERANCES ARE:		SCALE: NONE	
2 PLACE DECIMALS ±.01		SHEET 5 OF 5	
3 PLACE DECIMALS ±.005			
ANGLES ±.5°			

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NOTES:

1. APPLY F/N 62 TO FAYING SURFACES.
2. AFTER INSTALLATION, APPLY F/N 63 A/R TO FILL GAPS AND FILLET EDGES

2/B7

DETAIL A

3/B7

DETAIL B

5/B6

DETAIL D

4/B7

DETAIL C

UNINCORPORATED ECN(S)

03732, 03885, 044216

FIND #	PART #	DESCRIPTION	MATL	SPEC.
16	66	601.3151	WASHER	NAS1149F0363P
65		DELETED		
2	64	601.3537	SCREW	MS24694-514
1	63	600.1012	SEALANT	PR-1425 CLAS B
1	62	601.2045	RTV	LOCTITE 598
8	61	601.2381	WASHER	NAS562C-10L
8	60	601.2638	WASHER	NAS1149F0432P
23	59	601.2764	WASHER	NAS1149F0532P
53	58	601.1607	WASHER	NAS1149F0232P
2	57	601.3470	WASHER	AN970-3
6	56	601.1365	SCREW	MS27039-1-10
4	55	601.1621	SCREW	MS27039-1-08
2	54	601.3289	SCREW	MS27037-1-25
6	53	601.2765	SCREW	MS27039-0819
13	52	601.3190	SCREW	MS27039-1-13
3	51	601.3124	SCREW	MS27039-0824
4	50	601.1622	SCREW	MS27039-1-14
4	49	601.2910	SCREW	MS27039-1-18

REV.	DESCRIPTION	DATE	APPROVED
N/C	LAST PROTOTYPE REVISION: PR2		N/C
A	INITIAL RELEASE	01-26-2012	P. BRAVO
B	INCORPORATED ECN 03444, 03489	04-17-2012	P. BRAVO
B	INCORPORATED ECN 03527	05-29-2012	P. BRAVO

QTY	FIND #	PART #	DESCRIPTION	MATL	SPEC.
2	48	601.3252	SCREW	MS24694-508	
3	47	601.3536	SCREW	MS24694-513	
2	46	601.3146	SCREW	MS24694-507	
8	45	601.1125	RIVET	MS20470ADS-11	
4	44	601.2542	RIVET	MS20470ADS-9	
43			DELETED		
23	42	601.1773	RIVET	MS20470ADS-4-3	
12	41	601.1616	RIVET	MS20470ADS-5	
6	40	601.1900	NUTPLATE	MS21059-3	
1	39	601.3209	LOCKNUT	MS21042L4	
25	38	601.1624	LOCKNUT	MS21042L3	
14	37	601.1541	LOCKNUT	MS21042L8	
2	36	601.3008	INSERT	NAS1834C-300	
2	35	601.3468	INSERT	NAS1832-4-7	
8	34	601.3459	INSERT	NAS1832-3-7	
2	33	601.3474	CHERRY RIVET	CR3214-5-02	
31	32	601.3496	CHERRY RIVET	CR3213-6-12	
20	31	601.3472	CHERRY RIVET	CR3213-5-05	
29	30	601.1183	CHERRY RIVET	CR3213-4-05	
29			DELETED		
16	28	601.2020	CHERRY RIVET	CR3213-5-03	
2	27	601.3473	CHERRY RIVET	NAS1097AD-4-3	
2	26	601.2669	BOLT	ANAC7A	
4	25	601.3555	BOLT	ANAC5A	
8	24	601.0788	BOLT	AN3C12A	
1	23	649.5112	WIPER DEFLECTOR		
1	22	649.5111	WIPER DEFLECTOR		
2	21	649.5110	WIPER DEFLECTOR		
1	20	649.9014	STRUT BRACKET		
4	19	646.9910	STRUT		
3	18	649.4815	SHIM		
1	17	649.4812	SHIM		
2	16	649.5213	DOUBLER		
2	15	649.4813	SHIM		
1	14	649.5211	SHIM		
2	13	601.3493	QUICK RELEASE PIN		
1	12	649.4816	DOUBLER		
2	11	649.4814	DOUBLER		
2	10	649.5210	DOUBLER		
1	9	649.5011	DEFLECTOR		
2	8	649.5013	DEFLECTOR		
2	7	649.5012	DEFLECTOR		
1	6	649.4811	CUP		
1	5	649.5212	BRACKET		
1	4	649.5214	BRACKET		
1	3	649.5010	DEFLECTOR		
1	2	649.4901	UPPER CUTTER ASSY		
1	1	649.4902	LOWER CUTTER ASSY		
1		649.4701	ATTY CABLE CUTTERS KIT		

QTY		PARTS LIST	
NEXT ASSY (S)		APICAL INDUSTRIES 2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760)724-5300	
ORIGINAL DATE 04-17-2012 DRAWN BY J. COCHRAN CHECKED BY P. BRAVO DRAWING APPROVAL P. BRAVO DATE 04-17-2012 CONTRACT NO.		A119 CABLE CUTTERS KIT	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ±.010 ANGLES ±.5° PLACE DECIMALS ±.005 ANGLES ±.2°		REV. B CAGE CODE 07426 DWG. NO. 649.4700 SCALE: NONE	
		SHEET 1 OF 3	

